

Chit Siong Lau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5549319/publications.pdf>

Version: 2024-02-01

12
papers

643
citations

933264

10
h-index

1199470

12
g-index

13
all docs

13
docs citations

13
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral Graphene-Contacted Vertically Stacked WS ₂ /MoS ₂ Hybrid Photodetectors with Large Gain. <i>Advanced Materials</i> , 2017, 29, 1702917.	11.1	111
2	Conductance enlargement in picoscale electroburnt graphene nanojunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2658-2663.	3.3	98
3	Graphene-porphyrin single-molecule transistors. <i>Nanoscale</i> , 2015, 7, 13181-13185.	2.8	97
4	Redox-Dependent Franck-Condon Blockade and Avalanche Transport in a Graphene Fullerene Single-Molecule Transistor. <i>Nano Letters</i> , 2016, 16, 170-176.	4.5	93
5	Quantum Interference in Graphene Nanoconstrictions. <i>Nano Letters</i> , 2016, 16, 4210-4216.	4.5	70
6	Doping Graphene Transistors Using Vertical Stacked Monolayer WS ₂ Heterostructures Grown by Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1644-1652.	4.0	61
7	Single layer MoS ₂ nanoribbon field effect transistor. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	35
8	Quantum Transport in Two-Dimensional WS ₂ with High-Efficiency Carrier Injection through Indium Alloy Contacts. <i>ACS Nano</i> , 2020, 14, 13700-13708.	7.3	26
9	Toward Valley-Coupled Spin Qubits. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900123.	1.8	18
10	Gate-Defined Quantum Confinement in CVD 2D WS ₂ . <i>Advanced Materials</i> , 2022, 34, e2103907.	11.1	18
11	Carrier control in 2D transition metal dichalcogenides with Al ₂ O ₃ dielectric. <i>Scientific Reports</i> , 2019, 9, 8769.	1.6	10
12	Deep learning-enabled prediction of 2D material breakdown. <i>Nanotechnology</i> , 2021, 32, 265203.	1.3	6